

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
11 August 2005 (11.08.2005)

PCT

(10) International Publication Number
WO 2005/072709 A2

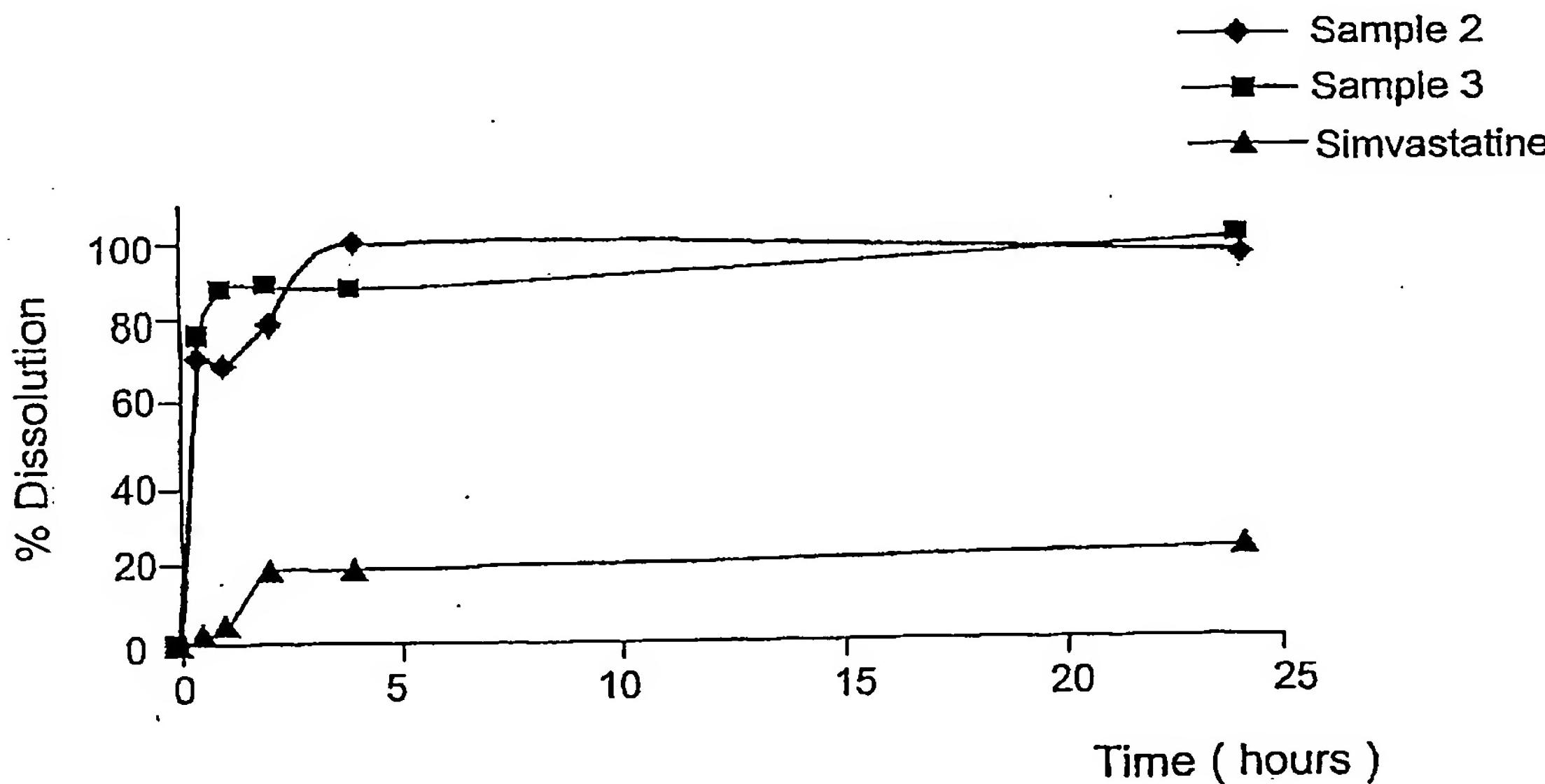
- (51) International Patent Classification⁷: **A61K 9/16**
- (21) International Application Number: **PCT/IL2005/000093**
- (22) International Filing Date: 26 January 2005 (26.01.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
160095 28 January 2004 (28.01.2004) IL
- (71) Applicants (for all designated States except US): BIO DAR LTD [IL/IL]; P.O.Box 2142, 76121 Rehovot (IL). YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM [IL/IL]; Hi Tech Park, Edmond Safra Campus, Givat Ram, 91390 Jerusalem (IL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MAGDASSI, Shlomo [IL/IL]; 36 Hanerd Street, 96629 Jerusalem (IL). SELA, Yoram [IL/IL]; 5 David Elazar Street, 43204 Ra'anana (IL). COHEN, Keren [IL/IL]; 4 Borochov St., 69922 Jerusalem (IL).
- (74) Agent: REINHOLD COHN AND PARTNERS; P.O.B. 4060, 61040 Tel Aviv (IL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, BE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CR, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FORMULATIONS FOR POORLY SOLUBLE DRUGS



(57) Abstract: The present invention provides a drug delivery system comprising nanoparticles or microparticles of a water poorly soluble drug dispersed in a polymeric bead containing essentially only of hydrophilic polymers (i.e. without hydrophobic polymers). The present invention further provides a method of producing the drug delivery system of the invention.

WO 2005/072709 A2